

PSG COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)

MSc DEGREE EXAMINATION DECEMBER 2025
(Second Semester)

Branch - FOODS AND NUTRITION

MAJOR ELECTIVE COURSE – I : FOOD BIOTECHNOLOGY

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry **EQUAL** marks.

$$(10 \times 1 = 10)$$

Cont...

SECTION - B (35 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

 $(5 \times 7 = 35)$

Module No.	Question No.	Question	K Level	CO
1	11.a.	Discover the properties of protein expression vectors. (OR)	K3	CO1
	11.b.	Determine the functions of DNA.	K3	CO1
2	12.a.	Prepare short notes on detection of protein by ELISA method. (OR)	K3	CO2
	12.b.	Compute a short essay on animal cell as biopharmaceuticals.	K3	CO2
3	13.a.	Focus the preparation method of alcoholic beverages. (OR)	K4	CO3
	13.b.	Illustrate short passage on the role of bacteria in meat products.	K4	CO3
4	14.a.	Examine the concept of probiotic foods. (OR)	K4	CO4
	14.b.	Comment on nutritive value of sweeteners.	K4	CO4
5	15.a.	Conclude about how tissue culture is carried out in now a days. (OR)	K5	CO5
	15.b.	Evaluate the role of nutrigenomics in food biotechnology.	K5	CO5

SECTION -C (30 Marks)

Answer ANY THREE questions

ALL questions carry EQUAL Marks

 $(3 \times 10 = 30)$

Module No.	Question No.	Question	K Level	CO
1	16	Analyse the basic principles of transcription in detail.	K4	CO1
2	17	Simplify the legal frame work of production of GMO and food products.	K4	CO2
3	18	Infer on manufacturing process of food yeast and its derivatives.	K4	CO3
4	19	Evaluate the applications of bacteriocins.	K5	CO4
5	20	Assess the role of engineering in organic farming.	K5	CO5